

S. MCGARRY

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Bill  
1635  
2-13-01

09/431,546

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/432,546  
DATE: 01/11/2001  
TIME: 11:38:20

Input Set : A:\Lk30003.app  
Output Set: N:\CRF3\01112001\I432546.raw

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JAN 31 2001  
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3 <110> APPLICANT: EVERETT, NICHOLAS P.  
4 LI, QUNIGSHUN  
5 LAWRENCE, CHRISTOPHER  
6 DAVIES, MAELOR H.  
8 <120> TITLE OF INVENTION: PEPTIDES WITH ENHANCED STABILITY TO PROTEASE  
9 DEGRADATION  
11 <130> FILE REFERENCE: INTERLINK 3.0-003  
13 <140> CURRENT APPLICATION NUMBER: 09/432,546  
14 <141> CURRENT FILING DATE: 1999-10-29  
16 <150> PRIOR APPLICATION NUMBER: 60/106,373  
17 <151> PRIOR FILING DATE: 1998-10-30  
19 <150> PRIOR APPLICATION NUMBER: 60/106,573  
20 <151> PRIOR FILING DATE: 1998-11-02  
22 <160> NUMBER OF SEQ ID NOS: 27  
24 <170> SOFTWARE: PatentIn Ver. 2.1  
26 <210> SEQ ID NO: 1  
27 <211> LENGTH: 24  
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29 <213> ORGANISM: Artificial Sequence  
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32 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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36 Met Gly Ile Gly Lys Phe Leu Arg Glu Ala Gly Lys Phe Gly Lys Ala  
37 1 5 10 15  
39 Phe Val Gly Glu Ile Met Lys Pro  
40 20  
43 <210> SEQ ID NO: 2  
44 <211> LENGTH: 13  
45 <212> TYPE: PRT  
46 <213> ORGANISM: Artificial Sequence  
48 <220> FEATURE:  
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54 1 5 10  
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62 <220> FEATURE:  
63 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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66 <400> SEQUENCE: 3  
67 Ile Leu Lys Lys Trp Pro Trp Trp Pro Trp Arg Arg Lys  
68 1 5 10

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78   antimicrobial peptide
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81 Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile
82   1           5           10
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86 <211> LENGTH: 14
87 <212> TYPE: PRT
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90 <220> FEATURE:
91 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
92   antimicrobial peptide
94 <400> SEQUENCE: 5
95 Ser Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile
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100 <211> LENGTH: 26
101 <212> TYPE: PRT
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113           20           25
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123   antimicrobial peptide
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126 Ile Leu Pro Phe Lys Phe Pro Phe Phe Pro Phe Arg Arg
127   1           5           10
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131 <211> LENGTH: 12
132 <212> TYPE: PRT
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
137   antimicrobial peptide

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140 Ile Leu Lys Gly Phe Pro Gly Phe Pro Arg Arg Lys
141   1           5           10
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147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
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151     antimicrobial peptide
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154 Leu Ala Lys Leu Ala Val Lys Ala Ile Lys Gly Ala Ile Ala Gly Ala
155   1           5           10           15
157 Lys Ser Ala Met Gly
158           20
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162 <211> LENGTH: 31
163 <212> TYPE: PRT
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166 <220> FEATURE:
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168     antimicrobial peptide
170 <400> SEQUENCE: 10
171 Arg Pro Gly Gly Gln Ile Ala Ile Ala Ile Gly Glu Ser Ile Arg Lys
172   1           5           10           15
174 Lys Ala Ser Asn Glu Leu Lys Lys Ala Thr Lys Ser Leu Trp Ser
175           20           25           30
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183 <220> FEATURE:
184 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
185     antimicrobial peptide
187 <400> SEQUENCE: 11
188 Lys Ala Ile Gln Thr Ala Gln Gly Val Val Ala Val Ala Pro Gly Ala
189   1           5           10           15
191 Lys Ile Ile Gly Asp Arg Ile Asn Gln Gly Val Lys Glu Ile Lys Lys
192           20           25           30
194 Phe Leu Lys Trp Lys
195           35
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201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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208 Asn Ala Phe His Glu Ala Leu Gly Lys Ala Leu Gly Lys Leu Ala Ser
209   1           5           10           15
211 Lys Gly Ala Ser Leu Ile Ser Ala Gly Ile Gly
212           20           25
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217 <212> TYPE: PRT
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220 <220> FEATURE:
221 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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224 <400> SEQUENCE: 13
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226   1           5           10           15
228 Val Gly Glu Ile Met Asn Ser
229           20
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233 <211> LENGTH: 13
234 <212> TYPE: PRT
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
239     antimicrobial peptide
241 <400> SEQUENCE: 14
242 Arg Arg Trp Pro Trp Trp Pro Trp Lys Trp Pro Leu Ile
243   1           5           10
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247 <211> LENGTH: 39
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Description of Artificial Sequence:
253     oligonucleotide
255 <400> SEQUENCE: 15
256 aggagatggc ctgggtggcc ttggaaatgg cctcttatL
259 <210> SEQ ID NO: 16
260 <211> LENGTH: 33
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial Sequence
264 <220> FEATURE:
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266     oligonucleotide
268 <400> SEQUENCE: 16
269 ccagtctcta gaaccatgag gagatggcct tgg
272 <210> SEQ ID NO: 17
273 <211> LENGTH: 53
274 <212> TYPE: DNA
275 <213> ORGANISM: Artificial Sequence
277 <220> FEATURE:

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39

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278 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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281 gactggagct cttaaataag aggccatttc caagggccacc aagggcatct cct      53
284 <210> SEQ ID NO: 18
285 <211> LENGTH: 32
286 <212> TYPE: DNA
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
292 <400> SEQUENCE: 18
293 agctgggaat tctaggagat ggccttggtg gc      32
296 <210> SEQ ID NO: 19
297 <211> LENGTH: 54
298 <212> TYPE: DNA
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Description of Artificial Sequence:
303     Oligonucleotide
305 <400> SEQUENCE: 19
306 atggactcta gattaaataa gaggccattt ccaagggccac caagggccac tcct      54
309 <210> SEQ ID NO: 20
310 <211> LENGTH: 19
311 <212> TYPE: PRT
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
316     antimicrobial peptide
318 <400> SEQUENCE: 20
319 Leu Pro Gln Pro Glu Ala Ser Ala Asp Glu Gly Val Asp Glu Arg Glu
320   1             5             10             15
322 Leu His Ser
325 <210> SEQ ID NO: 21
326 <211> LENGTH: 88
327 <212> TYPE: DNA
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330 <220> FEATURE:
331 <223> OTHER INFORMATION: Description of Artificial Sequence:
332     Oligonucleotide
334 <400> SEQUENCE: 21
335 agcactgaat tctcttccac aaccagagggc ttctgctgat gaagggtgtg atgaaagaga 60
336 gctccattct aggagatggc cttggtgg      88
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342 <213> ORGANISM: Artificial Sequence
344 <220> FEATURE:
345 <223> OTHER INFORMATION: Description of Artificial Sequence:
346     Oligonucleotide
348 <400> SEQUENCE: 22

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/432,546

DATE: 01/11/2001

TIME: 11:38:21

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